



Solar Power at Maryland DOT



About MDOT

BUSINESS UNITS

The Secretary's Office (Headquarters)

Aviation Administration

Highway Administration

Motor Vehicle Administration

Port Administration

Transit Administration

Transportation Authority

Annual Energy Consumption

UTILITY

 395,000 MWH

 35M

 275K MT CO₂E

SOLAR

 2,300 MWH

 265K

 1.6K MT CO₂E

Why Solar?



SOCIAL

Reliable and resilient energy source
Improved public health

ENVIRONMENTAL

Greenhouse gas emission reduction
Water pollution reduction

ECONOMIC

Local, well-paying jobs
Affordable, stable energy prices

State & Federal Incentives



RENEWABLE PORTFOLIO STANDARD

50% by 2030

14.5% solar carve out



GREENHOUSE GAS REDUCTION ACT

40% by 2030



COMMUNITY SOLAR



NET METERING



ENERGY ADMINISTRATION GRANTS



INVESTMENT TAX CREDIT

30% until 2019 - 26% until 2020 - 22%
until 2021 - 10% thereafter



5-YR MODIFIED ACCELERATED COST RECOVERY SYSTEM (MACRS)



Master Services Agreement

- DESIGNED TO PROMOTE INNOVATION AND COMPETITION
- 5-YEAR CONTRACT, 2-YEAR RENEWAL
- QUALIFY MASTER CONTRACTORS
- SECONDARY COMPETITION FOR TASKS
- POWER PURCHASE & LICENSE AGREEMENTS (25-YEAR TERM)
- ENERGY PERFORMANCE, STORAGE, MICROGRIDS, ELECTRIC VEHICLE CHARGING
- BUYOUT OPTION
- COOPERATIVE AGREEMENT

